

PATENT COOPERATION TREATY

From the
INTERNATIONAL SEARCHING AUTHORITY

TRANSLATION

PCT

WRITTEN OPINION OF THE
INTERNATIONAL SEARCHING AUTHORITY

(PCT Rule 43bis.1)

To:

Date of mailing
(day/month/year)

Applicant's or agent's file reference

665079

FOR FURTHER ACTION

See paragraph 2 below

International application No.

PCT/JP2005/006477

International filing date (day/month/year)

01.04.2005

Priority date (day/month/year)

05.04.2004

International Patent Classification (IPC) or both national classification and IPC

Applicant

MATSUSHITA ELECTRIC INDUSTRIAL CO., LTD.

1. This opinion contains indications relating to the following items:

- | | | |
|-------------------------------------|--------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <input checked="" type="checkbox"/> | Box No. I | Basis of the opinion |
| <input type="checkbox"/> | Box No. II | Priority |
| <input type="checkbox"/> | Box No. III | Non-establishment of opinion with regard to novelty, inventive step and industrial applicability |
| <input type="checkbox"/> | Box No. IV | Lack of unity of invention |
| <input checked="" type="checkbox"/> | Box No. V | Reasoned statement under Rule 43bis.1(a)(i) with regard to novelty, inventive step or industrial applicability: citations and explanations supporting such statement |
| <input type="checkbox"/> | Box No. VI | Certain documents cited |
| <input type="checkbox"/> | Box No. VII | Certain defects in the international application |
| <input type="checkbox"/> | Box No. VIII | Certain observations on the international application |

2. **FURTHER ACTION**

If a demand for international preliminary examination is made, this opinion will be considered to be a written opinion of the International Preliminary Examining Authority ("IPEA") except that this does not apply where the applicant chooses an Authority other than this one to be the IPEA and the chosen IPEA has notified the International Bureau under Rule 66.1bis(b) that written opinions of this International Searching Authority will not be so considered.

If this opinion is, as provided above, considered to be a written opinion of the IPEA, the applicant is invited to submit to the IPEA a written reply together, where appropriate, with amendments, before the expiration of 3 months from the date of mailing of Form PCT/ISA/220 or before the expiration of 22 months from the priority date, whichever expires later.

For further options, see Form PCT/ISA/220.

3. For further details, see notes to Form PCT/ISA/220.

Name and mailing address of the ISA/JP

Authorized officer

Facsimile No.

Telephone No.

WRITTEN OPINION OF THE
INTERNATIONAL SEARCHING AUTHORITY

International application No.

PCT/JP2005/006477

Box No. I Basis of this opinion

1. With regard to the language, this opinion has been established on the basis of the international application in the language in which it was filed, unless otherwise indicated under this item.
☐ This opinion has been established on the basis of a translation from the original language into the following language _____, which is the language of a translation furnished for the purposes of international search (under Rule 12.3 and 23.1(b)).
2. With regard to any nucleotide and/or amino acid sequence disclosed in the international application and necessary to the claimed invention, this opinion has been established on the basis of:
 - a. type of material
☐ a sequence listing
☐ table(s) related to the sequence listing
 - b. format of material
☐ in written format
☐ in computer readable form
 - c. time of filing/furnishing
☐ contained in the international application as filed.
☐ filed together with the international application in computer readable form.
☐ furnished subsequently to this Authority for the purposes of search.
3. ☐ In addition, in the case that more than one version or copy of a sequence listing and/or table(s) relating thereto has been filed or furnished, the required statements that the information in the subsequent or additional copies is identical to that in the application as filed or does not go beyond the application as filed, as appropriate, were furnished.
4. Additional comments:

**WRITTEN OPINION OF THE
INTERNATIONAL SEARCHING AUTHORITY**

International application No.
PCT/JP2005/006477

Box No. V	Reasoned statement under Rule 43bis.1(a)(i) with regard to novelty, inventive step or industrial applicability; citations and explanations supporting such statement		
1. Statement			
Novelty (N)	Claims	<u>1-28</u>	YES
	Claims	_____	NO
Inventive step (IS)	Claims	<u>1-28</u>	YES
	Claims	_____	NO
Industrial applicability (IA)	Claims	<u>1-28</u>	YES
	Claims	_____	NO
2. Citations and explanations:			
<p>Document 1: JP, 6-140966, A (Matsushita Electric Industrial Co., Ltd.), 20 May, 1994 (20.05.94), paragraph [0011]</p> <p>The above document mentions that "a solar cell 9 to receive light from indoor lighting, and a timing control circuit 8 connected with the solar cell 9 that controls the acquisition of data from memory 4 and the outputting of a transmitter 11 are provided in a wireless data relay, whereby burst data signals can be transmitted from the wireless data relay for the duration of level zero, so that the wireless data relay can avoid the interference caused by unnecessary radiation from microwave ovens, etc., when it transmits."</p> <p>Document 2: JP, 61-289500, A (Matsushita Electric Industrial Co., Ltd.), 19 December, 1986 (19.12.86), page 2, upper right column and lower left column</p> <p>The above document mentions that, "for example, in the case of a power-line communication system with a signal-transmission line 1 also used as a lighting-power line, if a noise-producing device is connected with the lighting-power line, i.e., the signal-transmission line, and the system performs communication in synchronization with the wavelength of the power source of the device, then the said wavelength is that of a reference signal for the system", and that "then, controlling the phase-detecting means on a signal-transmission line monitoring device 11 to shift a phase-filter signal (ho) and thereby monitoring where there are no genuine signals makes it possible to produce an output (he) of the signal-transmission line monitoring to detect, and inform about, only noises, whereby it is possible to investigate the causes of communication disorders".</p> <p>Claims 1-28</p> <p>"A wireless communication apparatus having (1) a transmission-line variation-time detection section to detect a time when variation in a transmission line caused by a discharge is larger than that at other times, and (2) a transmission control section capable of selecting between (a) a normal transmission mode where a bit stream is packetized and no restrictions are put on packet communication and (b) a restricted transmission mode where restrictions are put on packet communication; and characterized in that the said transmission control section selects the restricted transmission mode when a packet transmission time at least overlaps with a transmission-line variation time or the normal transmission mode when a packet transmission time does not overlap with a transmission-line variation time" is neither described nor suggested in any of the documents cited in the ISR.</p>			